

## SAP- HANA DEVELOPMENT - Course Content

### Prerequisites

- A basic knowledge of database technology, especially relational databases and SQL query language
- A general understanding of how columnar, in-memory databases work
- Someone who is looking for a career in BW on HANA Platform.
- Someone who is working as a SAP BW consultant and wants to learn SAP HANA skills.

### HANA INTRODUCTION

- Introduction to SAP HANA
- HANA – In Memory Computing
- Technology overview
- HANA – In Memory Strategy
- HANA Architecture
- HANA System requirements
- HANA Modules
- HANA compare to BWA
- HANA with BW
- HANA with ECC
- HANA administration & Security
- HANA Modeling studio
- Modeling Process flow
- Levels of Modeling in SAP HANA
- Attributes
- Measures
- Attributes Views
- Analytical Views
- Calculation Views
- Hierarchies
- Export & Import

### ARCHITECTURE

- HANA Engine Overview
- IMCE surroundings
- Different HANA Engine Types
- Row Store
- Column Store
- Persistency Layer
- Business Impact of new architecture
- Calculation Views
- Functions & Expressions
- Procedures
- Procedure scenarios
- Sequence Creation

### MODELING

### LOADING and REPLICATION PROCESS

- SAP HANA database
- HANA client components
- HANA Data loading process
- Loading and replication process: cont..

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- Data loading mechanism
- Data replication process
- Replication Server
- Replication Architecture
- BO Data Services data extraction
- Introduction to Data Services

### SECURITY

- Creating Users
- Creating Roles
- Privileges
- User Administration

### SAP BODS and HANA

- Basic Data service Connection types
- New to Data services 40
- Full Extractor though ODP
- Configure Import server
- Create and execute a Data Service Job to Populate HANA Row & Column store aggregation

### DATA PROVISIONING: SAP LANDSCAPE TRANSFORMATION (SLT)

- Data provisioning overview
- SAP landscape transformation set-up
- Options for SLT landscape installation
- Post installation stem
- Concept of SLT replication
- Architecture and key building block
- Technical requirement and system set-up information for LT replication server

### SAP BW ON HANA

- Loading data from BW to HANA via BODS
- Impact of BW on HANA.

### REPORTING

- User Interface (UI)/Reporting
- Business Objects BI 40 Enterprise
- Business Objects Reporting
- Business Objects Integration with HANA
- Business Objects BI 40 Explorer
- Non SAP reporting tools with HANA
- MS Office integration
- Real time Dashboards
- Crystal Reports via ODBC/JDBC Connections
- HANA Reporting Layer & Connectivity Options
- Reporting on HANA Clients
- Reporting on HANA Open Interfaces
- Prerequisites for reporting on SAP HANA
- IMDB client installation
- Setting up new connection
- SAP Business Objects BI4.0:Overview & tool comparison
- Analytical Reporting on HANA
- Relational Reporting on HANA
- Reporting on HANA Demo Included
- Native Excel Interface via ODBO
- SAP Business Object Analysis(Office Edition)
- SAP Business Object Explorer
- Semantic Layer Approach
- IDT Vs Universe Designer

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- SAP BOBJ Web I
- SAP BOBJ Xcelsius
- SAP Crystal Reports
- Enterprise Vs 2011
- Front end tool reporting considerations on top of HANA Single & Multiple
- Implementation of BADI.

## MODULE

- Miscellaneous
- BW 7.3 powered by HANA Overview
- SAP HANA Roadmap
- HANA today
- HANA 2.0 (Suite)
- The BW - HANA Relationship
- In-Memory DSO & Cube Overview

## EXCERISE for LAB.

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